

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

COPY FOR CONTINUING
APPLICATION

CERTIFICATE OF MAILING	
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to Assistant Commissioner for Patents, Washington, D.C. 20231	
on <u>7-27-01</u>	<u>Jean A. White</u>
Date	Signature
<u>Jean A. White</u>	
Typed or printed name of person signing certificate	

REVOCATION OF POWERS OF ATTORNEY
AND APPOINTMENT OF NEW ATTORNEYS AND/OR AGENTS
AND CHANGE OF CORRESPONDENCE ADDRESS

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Massachusetts Institute of Technology, a Corporation duly organized under the laws of the Commonwealth of Massachusetts, is the assignee of the entire right, title and interest in the patent applications identified in Attachment A. Massachusetts Institute of Technology hereby appoints the attorneys and/or agents associated with:

Bowditch & Dewey, LLP
161 Worcester Road
Framingham, MA 01701-9320
Thomas O. Hoover, Reg. 32,470
Monica Grewal, Reg. 40,056

to prosecute the identified applications and any divisions or continuations thereof and to conduct all business in the United States Patent and Trademark Office. All previously granted Powers of Attorney are hereby revoked.

Certification under 37 C.F.R. §3.73(b) with Attachment A is submitted herewith.

All correspondence should be sent to Thomas O. Hoover, Esq., Bowditch & Dewey, LLP, 161 Worcester Road, Framingham, Massachusetts 01701-9320. Please direct all telephone calls to Thomas O. Hoover, Esq. at (508) 879-5700, and all facsimile communications to (508) 872-1492.

Respectfully submitted,
Massachusetts Institute of Technology

By

Title: Patent Administrator

Date

7/24/01

ATTACHMENT A

COPY FOR CONTINUING APPLICATION

Applicants: Carter Kittrell, Robert M. Cothren, Jr., Michael S. Feld and Barry Feld	
Docket No.: 0050.1089-023	
Application No.: 08/366,521	Group: 3311
Filed: December 30, 1994	Examiner: D. Shay
Title: Guidewire Diagnostic Fiber Optic Probe	
Assignee: Massachusetts Institute of Technology	
Recordation Date: May 25, 1995	Reel: 7498 Frames: 0983-0999
Applicants: Carter Kittrell, Robert M. Cothren, Jr. and Michael S. Feld	
Docket No.: 0050.1089-027	
Application No. 08/458,891	Group: 3739
Filed June 2, 1995	Examiner: D. Shay
Title: Diagnostic Fiber Optic Probe (as amended)	
Assignee: Massachusetts Institute of Technology	
Recordation Date: March 22, 1985	Reel: 4392 Frames: 0565-0567
Applicants: Richard P. Rava, Joseph J. Baraga and Michael S. Feld	
Docket No.: 0050.1363-000	
Application No.: 08/107,854	Group: 3737
Int'l Filing Date: January 17, 1992	Examiner: R. Smith
Completion Date October 22, 1993 102(e):	
Title: Systems And Methods Of Molecular Spectroscopy To Provide For The Diagnosis Of Tissue	
Assignee: Massachusetts Institute of Technology	
Recordation Date: October 22, 1993	Reel: 6741 Frames: 0203-0212

Applicants:	Lev T. Perelman, Jun Wu, Yang Wang, Ramachandra Rao Dasari, Irving Itzkan and Michael S. Feld		
Docket No.:	0050.1514-002		
Application No.:	09/347,050	Group:	3737
Filed:	July 2, 1999	Examiner:	Shaw, S.
Title:	Optical Imaging Using Time Gated Scattered Light		
Assignee:	Massachusetts Institute of Technology		
Recordation Date:	January 16, 1996	Reel:	7797 Frames: 0218-0223
Applicants:	Lev T. Perelman, Vadim Backman, Michael S. Feld, George Zonios, Irving Itzkan and Ramasamy Manoharan		
Docket No.:	0050.1590-008		
Application No.:	09/545,992	Group:	3737
Filed:	April 10, 2000	Examiner:	E. Mercader.
Title:	Method For Measuring Tissue Morphology		
Assignee:	Massachusetts Institute of Technology		
Recordation Date:	September 12, 2000	Reel:	011088 Frames: 0882-0888
Applicants:	Jerry C. Chen		
Docket No.:	0050.1610-000		
Application No.:	09/324,253	Group:	2874
Filed:	June 2, 1999	Examiner:	Not assigned
Title:	Optical Frequency Filter		
Assignee:	Massachusetts Institute of Technology		
Recordation Date:	September 2, 1999	Reel:	010208 Frames: 0647-0649
Applicants:	Vadim Backman, Ramanchandra R. Dasari, Rajan Gurjar, Irving Itzkan, Lev T. Perelman and Michael S. Feld		
Docket No.:	0050.1611-000		
Application No.:	09/237,153	Group:	2877
Filed:	Janaury 25, 1999	Examiner:	M. Stafira
Title:	Polarized Light Scattering Spectroscopy Of Tissue		
Assignee:	Massachusetts Institute of Technology		

COPY FOR CONTINUING APPLICATION

Applicants: Changhuei Yang, Adam P. Wax and Michael S. Feld	
Docket No.: 0050.2012-000	
Application No.: 09/591,297	Group: 2878
Filed: June 9, 2000	Examiner: Not assigned
Title: Phase Dispersive Tomography	
Assignee: Massachusetts Institute of Technology	
Recordation Date: January 16, 2001	Reel: 011456 Frames: 0901-0904

COPY FOR CONTINUING
APPLICATION

::ODMA\MHODMA\iManage\240033;1

CERTIFICATE UNDER 37 C.F.R. § 3.73(b)

**COPY FOR CONTINUING
APPLICATION**

Massachusetts Institute of Technology

(Name of Assignee)

, a

Corporation

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

certifies that it is

- A. ☒ the assignee of the entire right, title and interest in the patent applications identified in attachment A.
- B. ☐ an assignee together with ☐ of the entire right, title and interest in the patent application identified above. A separate Certificate under 37 CFR § 3.73(b) is attached.

The right, title and interest of the above-named assignee in the patent applications identified in attachment A is established by virtue of:

- A. ☒ An assignment from the inventor(s) of the patent applications identified in attachment A. The assignment was recorded in the Patent and Trademark Office at the Reel and Frames indicated in attachment A, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s) of the patent application identified above, to the current assignee as shown below:

1. From: To:
The document was recorded in the Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.
2. From: To:
The document was recorded in the Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.
3. From: To:
The document was recorded in the Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are attached.

☐ Copies of assignments or other documents in the chain of title are attached.

The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date: 7/24/01

Name: Rita M. Filipowicz

Title: Patent Administrator

Signature: *Rita M. Filipowicz*

ATTACHMENT A

**COPY FOR CONTINUING
APPLICATION**

Applicants:	Carter Kittrell, Robert M. Cothren, Jr., Michael S. Feld and Barry A. Sacks		
Docket No.:	0050.1089-023		
Application No.:	08/366,521	Group:	3311
Filed:	December 30, 1994	Examiner:	D. Shay
Title:	Guidewire Diagnostic Fiber Optic Probe		
Assignee:	Massachusetts Institute of Technology		
Recordation Date:	May 25, 1995	Reel:	7498 Frames: 0983-0999
Applicants:	Carter Kittrell, Robert M. Cothren, Jr. and Michael S. Feld		
Docket No.:	0050.1089-027		
Application No.:	08/458,891	Group:	3739
Filed:	June 2, 1995	Examiner:	D. Shay
Title:	Diagnostic Fiber Optic Probe (as amended)		
Assignee:	Massachusetts Institute of Technology		
Recordation Date:	March 22, 1985	Reel:	4392 Frames: 0565-0567
Applicants:	Richard P. Rava, Joseph J. Baraga and Michael S. Feld		
Docket No.:	0050.1363-000		
Application No.:	08/107,854	Group:	3737
Int'l Filing Date:	January 17, 1992	Examiner:	R. Smith
Completion Date 102(e):	October 22, 1993		
Title:	Systems And Methods Of Molecular Spectroscopy To Provide For The Diagnosis Of Tissue		
Assignee:	Massachusetts Institute of Technology		
Recordation Date:	October 22, 1993	Reel:	6741 Frames: 0203-0212

Applicants:	Lev T. Perelman, Jun Wu, Yang Wang, Ramachandra Rao Dasari, Irving Itzkan and Michael S. Feld		
Docket No.:	0050.1514-002		
Application No.:	09/347,050	Group:	3737
Filed:	July 2, 1999	Examiner:	Shaw, S.
Title:	Optical Imaging Using Time Gated Scattered Light		
Assignee:	Massachusetts Institute of Technology		
Recordation Date:	January 16, 1996	Reel:	7797 Frames: 0218-0223
Applicants:	Lev T. Perelman, Vadim Backman, Michael S. Feld, George Zonios, Irving Itzkan and Ramasamy Manoharan		
Docket No.:	0050.1590-008		
Application No.:	09/545,992	Group:	3737
Filed:	April 10, 2000	Examiner:	E. Mercader.
Title:	Method For Measuring Tissue Morphology		
Assignee:	Massachusetts Institute of Technology		
Recordation Date:	September 12, 2000	Reel:	011088 Frames: 0882-0888
Applicants:	Jerry C. Chen		
Docket No.:	0050.1610-000		
Application No.:	09/324,253	Group:	2874
Filed:	June 2, 1999	Examiner:	Not assigned
Title:	Optical Frequency Filter		
Assignee:	Massachusetts Institute of Technology		
Recordation Date:	September 2, 1999	Reel:	010208 Frames: 0647-0649
Applicants:	Vadim Backman, Ramachandra R. Dasari, Rajan Gurjar, Irving Itzkan, Lev T. Perelman and Michael S. Feld		
Docket No.:	0050.1611-000		
Application No.:	09/237,153	Group:	2877
Filed:	January 25, 1999	Examiner:	M. Stafira
Title:	Polarized Light Scattering Spectroscopy Of Tissue		
Assignee:	Massachusetts Institute of Technology		

**COPY FOR CONTINUING
APPLICATION**

Applicants: Changhuei Yang, Adam P. Wax and Michael S. Feld	
Docket No.: 0050.2012-000	
Application No.: 09/591,297	Group: 2878
Filed: June 9, 2000	Examiner: Not assigned
Title: Phase Dispersive Tomography	
Assignee: Massachusetts Institute of Technology	
Recordation Date: January 16, 2001	Reel: 011456 Frames: 0901-0904

::ODMAMHODMA\Manage;240033;1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Declaration for Patent ApplicationCOPY FOR CONTINUING
APPLICATION

As a named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated next to my name;

I believe I am the original, first and sole inventor (if only one name is listed) or an original, first and joint inventor (if plural names are listed in the signatory page(s) commencing at page 3 hereof) of the subject matter which is claimed and for which a patent is sought on the invention entitled

Systems and Methods of Molecular Spectroscopy to Provide for the

Diagnosis of Tissue

the specification of which (check one)

☐ is attached hereto.

☒ was filed on 17 January 1992 as
Application Serial No. PCT/US92/00420
and was amended on 08 March 1993 via (if applicable).

Response to Written Opinion.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is known by me to be material to patentability as defined in 37 C.F.R. §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)

			Priority Claimed	
<u>PCT/US92/00420</u>	<u>17 January 1992</u>		<input checked="" type="checkbox"/>	<input type="checkbox"/>
(Number)	(Country)	(Day/Month/Year filed)	Yes	No
<u> </u>	<u> </u>	<u> </u>	<input type="checkbox"/>	<input type="checkbox"/>
(Number)	(Country)	(Day/Month/Year filed)	Yes	No
<u> </u>	<u> </u>	<u> </u>	<input type="checkbox"/>	<input type="checkbox"/>
(Number)	(Country)	(Day/Month/Year filed)	Yes	No

COPY FOR CONTINUING
APPLICATION

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information known by me to be material to patentability as defined in 37 C.F.R. §1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

PCT/US92/00420	17 January 1992	
(Application Serial No.)	(Filing date)	(Status, patented, pending, abandoned)
07/661,077	26 February 1991	Pending
(Application Serial No.)	(Filing date)	(Status, patented, pending, abandoned)

As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

I also hereby grant additional Powers of Attorney to the following attorney(s) and/or agent(s) to file and prosecute an international application under the Patent Cooperation Treaty based upon the above-identified application, including a power to meet all designated office requirements for designated states.

David E. Brook	Registration No. 22,592
James M. Smith	Registration No. 28,043
Leo R. Reynolds	Registration No. 20,884
Richard A. Wise	Registration No. 18,041
Patricia Granahan	Registration No. 32,227
Mary Lou Wakimura	Registration No. 31,804
Thomas O. Hoover	Registration No. 32,470
Alice O. Carroll	Registration No. 33,542

all of Hamilton, Brook, Smith and Reynolds, P.C., Two Militia Drive, Lexington, Massachusetts 02173;

and

Send correspondence to: Thomas O. Hoover, Esq.
Hamilton, Brook, Smith & Reynolds, P.C.
Lexington, MA 02173

Direct telephone calls to: Thomas O. Hoover, Esq.

617-861-6240

COPY FOR CONTINUING
APPLICATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole
or first inventor Richard P. Rava
Inventor's
Signature Richard P. Rava Date 9/10/93
Residence 1077 B, Tan Land Drive
Palo Alto, CA 94304
Citizenship USA
Post Office Address same

Full name of second joint
inventor, if any Joseph J. Baraga
Second Inventor's
Signature _____ Date _____
Residence 109 Highland Avenue, Apt. 30
Somerville, MA 02143
Citizenship USA
Post Office Address same

Full name of third joint
inventor, if any Michael S. Feld
Third Inventor's
Signature _____ Date _____
Residence 56 Hinckley Road
Waban, MA 02168
Citizenship USA
Post Office Address same

Full name of fourth joint
inventor, if any _____
Fourth Inventor's
Signature _____ Date _____
Residence _____
Citizenship _____
Post Office Address _____

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Declaration for Patent ApplicationCOPY FOR CONTINUING
APPLICATION

As a named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated next to my name;

I believe I am the original, first and sole inventor (if only one name is listed) or an original, first and joint inventor (if plural names are listed in the signatory page(s) commencing at page 3 hereof) of the subject matter which is claimed and for which a patent is sought on the invention entitled

Systems and Methods of Molecular Spectroscopy to Provide for theDiagnosis of Tissue

the specification of which (check one)

☐ is attached hereto.

☒ was filed on 17 January 1992 as
Application Serial No. PCT/US92/00420
and was amended on 08 March 1993 via (if applicable).
Response to Written Opinion.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is known by me to be material to patentability as defined in 37 C.F.R. §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)Priority
Claimed

PCT/US92/00420 17 January 1992
(Number) (Country) (Day/Month/Year filed)

☒ ☐
Yes No

(Number) (Country) (Day/Month/Year filed)

☐ ☐
Yes No

(Number) (Country) (Day/Month/Year filed)

☐ ☐
Yes No

COPY FOR CONTINUING
APPLICATION

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information known by me to be material to patentability as defined in 37 C.F.R. §1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

PCT/US92/00420	17 January 1992	
(Application Serial No.)	(Filing date)	(Status, patented, pending, abandoned)
07/661,077	26 February 1991	Pending
(Application Serial No.)	(Filing date)	(Status, patented, pending, abandoned)

As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

I also hereby grant additional Powers of Attorney to the following attorney(s) and/or agent(s) to file and prosecute an international application under the Patent Cooperation Treaty based upon the above-identified application, including a power to meet all designated office requirements for designated states.

David E. Brook	Registration No. 22,592
James M. Smith	Registration No. 28,043
Leo R. Reynolds	Registration No. 20,884
Richard A. Wise	Registration No. 18,041
Patricia Granahan	Registration No. 32,227
Mary Lou Wakimura	Registration No. 31,804
Thomas O. Hoover	Registration No. 32,470
Alice O. Carroll	Registration No. 33,542

all of Hamilton, Brook, Smith and Reynolds, P.C., Two Militia Drive, Lexington, Massachusetts 02173;

and

Send correspondence to: Thomas O. Hoover, Esq.
Hamilton, Brook, Smith & Reynolds, P.C.
Lexington, MA 02173

Direct telephone calls to: Thomas O. Hoover, Esq.

617-861-6240

COPY FOR CONTINUING
APPLICATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole
or first inventor Richard P. Rava
Inventor's
Signature _____ Date _____
Residence 1077 B, Tan Land Drive
Palo Alto, CA 94304
Citizenship USA
Post Office Address same

Full name of second joint
inventor, if any Joseph J. Baraga
Second Inventor's
Signature _____ Date _____
Residence 109 Highland Avenue, Apt. 30
Somerville, MA 02143
Citizenship USA
Post Office Address same

Full name of third joint
inventor, if any Michael S. Feld
Third Inventor's
Signature mm S Feld Date 9/21/93
Residence 56 Hinckley Road
Waban, MA 02168
Citizenship USA
Post Office Address same

Full name of fourth joint
inventor, if any _____
Fourth Inventor's
Signature _____ Date _____
Residence _____
Citizenship _____
Post Office Address _____

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Declaration for Patent ApplicationCOPY FOR CONTINUING
APPLICATION

As a named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated next to my name;

I believe I am the original, first and sole inventor (if only one name is listed) or an original, first and joint inventor (if plural names are listed in the signatory page(s) commencing at page 3 hereof) of the subject matter which is claimed and for which a patent is sought on the invention entitled

Systems and Methods of Molecular Spectroscopy to Provide for theDiagnosis of Tissue

the specification of which (check one)

☐ is attached hereto.

☒ was filed on 17 January 1992 as
Application Serial No. PCT/US92/00420
and was amended on 08 March 1993 via _____ (if applicable).

Response to Written Opinion.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is known by me to be material to patentability as defined in 37 C.F.R. §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)Priority
Claimed

PCT/US92/00420 17 January 1992
(Number) (Country) (Day/Month/Year filed)

☒ ☐
Yes No

(Number) (Country) (Day/Month/Year filed)

☐ ☐
Yes No

(Number) (Country) (Day/Month/Year filed)

☐ ☐
Yes No

COPY FOR CONTINUING
APPLICATION

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information known by me to be material to patentability as defined in 37 C.F.R. §1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

PCT/US92/00420	17 January 1992	
(Application Serial No.)	(Filing date)	(Status, patented, pending, abandoned)
07/661,077	26 February 1991	Pending
(Application Serial No.)	(Filing date)	(Status, patented, pending, abandoned)

As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

I also hereby grant additional Powers of Attorney to the following attorney(s) and/or agent(s) to file and prosecute an international application under the Patent Cooperation Treaty based upon the above-identified application, including a power to meet all designated office requirements for designated states.

David E. Brook	Registration No. 22,592
James M. Smith	Registration No. 28,043
Leo R. Reynolds	Registration No. 20,884
Richard A. Wise	Registration No. 18,041
Patricia Granahan	Registration No. 32,227
Mary Lou Wakimura	Registration No. 31,804
Thomas O. Hoover	Registration No. 32,470
Alice O. Carroll	Registration No. 33,542

all of Hamilton, Brook, Smith and Reynolds, P.C., Two Militia Drive, Lexington, Massachusetts 02173;

and

Send correspondence to: Thomas O. Hoover, Esq.
Hamilton, Brook, Smith & Reynolds, P.C.
Lexington, MA 02173

Direct telephone calls to: Thomas O. Hoover, Esq.

617-861-6240

COPY FOR CONTINUING
APPLICATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole
or first inventor Richard P. Rava
Inventor's
Signature _____ Date _____
Residence 1077 B, Tan Land Drive
Palo Alto, CA 94304
Citizenship USA
Post Office Address same

Full name of second joint
inventor, if any Joseph J. Baraga
Second Inventor's
Signature Joseph J. Baraga Date Oct 19, 1993
Residence 109 Highland Avenue, Apt. 30
Somerville, MA 02143
Citizenship USA
Post Office Address same

Full name of third joint
inventor, if any Michael S. Feld
Third Inventor's
Signature _____ Date _____
Residence 56 Hinckley Road
Waban, MA 02168
Citizenship USA
Post Office Address same

Full name of fourth joint
inventor, if any _____
Fourth Inventor's
Signature _____ Date _____
Residence _____
Citizenship _____
Post Office Address _____